

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P732127

Luminaire Tested: **24CZ2-30HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-S-B2750-W2D-3000K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

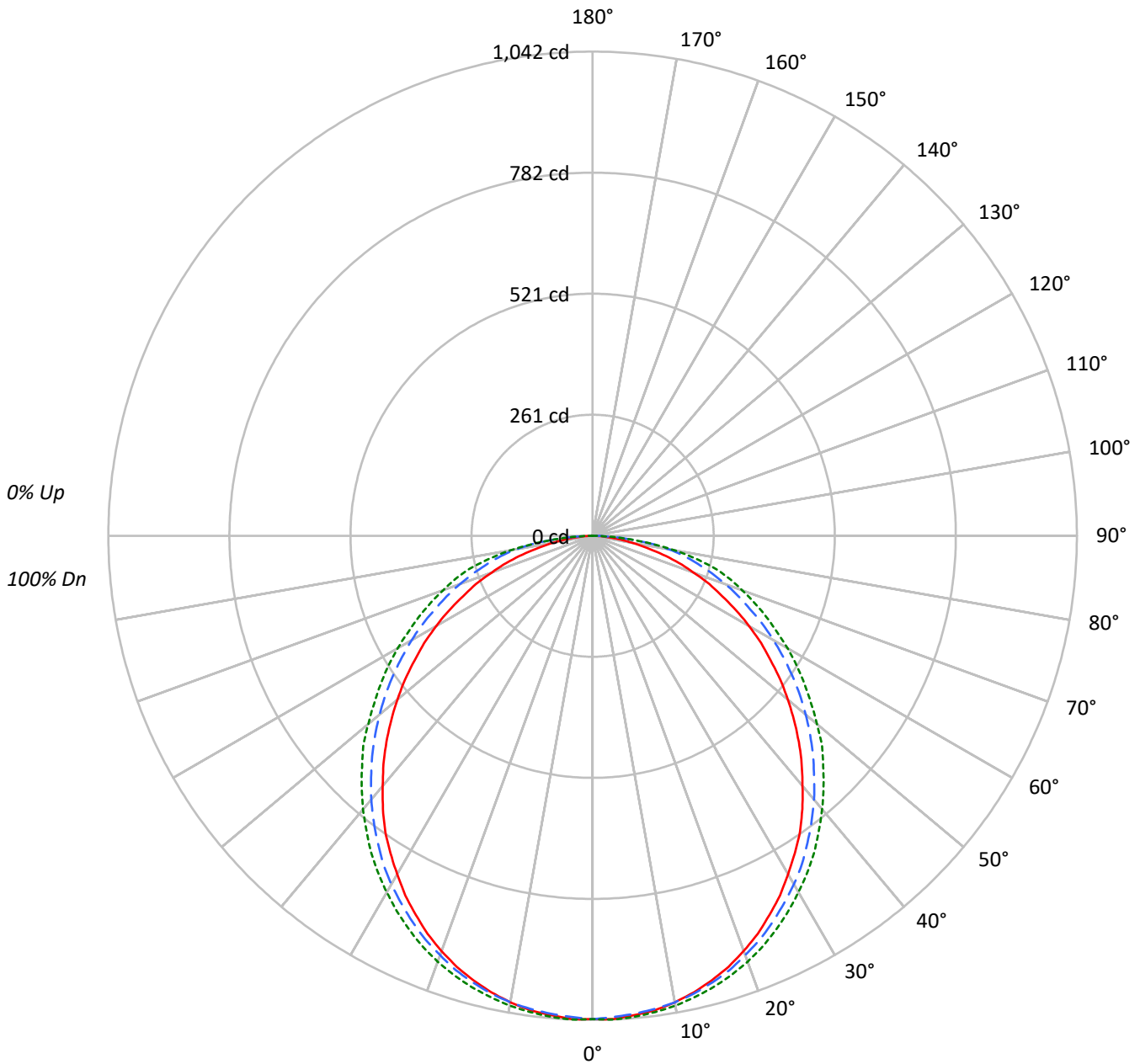
Lumens per Lamp: N/A
Luminaire Lumens: 2961.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42			
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1468	1468	1468
5°	1467	1463	1472
10°	1461	1461	1472
15°	1447	1454	1469
20°	1428	1442	1465
25°	1402	1428	1456
30°	1370	1412	1444
35°	1340	1389	1432
40°	1294	1365	1416
45°	1252	1338	1401
50°	1204	1313	1384
55°	1150	1289	1370
60°	1097	1269	1367
65°	1027	1247	1376
70°	951	1254	1412
75°	852	1277	1492
80°	688	1353	1460
85°	518	1187	1158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.3
10°-20°	281.4	9.5
20°-30°	423.0	14.3
30°-40°	503.8	17.0
40°-50°	515.7	17.4
50°-60°	464.3	15.7
60°-70°	364.6	12.3
70°-80°	236.6	8.0
80°-90°	73.2	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	802.8	27.1
0°-40°	1306.7	44.1
0°-60°	2286.6	77.2
0°-90°	2961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1036	1037	1033	1038	1039	98
15°	990	993	995	1004	1006	279
25°	900	908	917	932	935	415
35°	778	787	806	826	831	485
45°	627	642	671	696	702	484
55°	467	488	524	551	557	419
65°	308	331	373	404	412	306
75°	156	186	234	266	274	165
85°	32	59	73	72	72	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.3	1040.3	1040.3	1040.3	1040.3
2.5°	1041.2	1041.2	1036.4	1041.2	1042.1
5°	1035.5	1037.4	1032.7	1038.3	1039.2
7.5°	1029.8	1029.8	1027.0	1032.7	1033.7
10°	1019.5	1020.4	1019.5	1026.1	1027.0
12.5°	1006.4	1008.2	1009.2	1015.8	1016.7
15°	990.4	993.2	995.1	1003.6	1005.5
17.5°	972.5	975.3	980.0	989.4	991.3
20°	950.9	954.6	960.3	972.5	975.3
22.5°	927.4	931.1	940.5	951.8	956.5
25°	900.1	907.6	917.0	932.0	934.9
27.5°	872.8	879.4	891.6	907.6	911.4
30°	840.8	851.1	866.2	882.2	885.9
32.5°	809.8	820.1	838.0	855.0	859.6
35°	777.8	787.2	806.0	825.8	831.4
37.5°	741.1	753.3	774.1	793.8	799.5
40°	702.6	717.6	741.1	761.8	768.4
42.5°	665.9	681.8	705.4	728.0	735.4
45°	627.3	642.4	670.6	696.0	701.7
47.5°	587.8	604.8	634.8	660.2	669.6
50°	548.3	566.3	598.2	624.5	630.2
52.5°	508.8	527.6	561.5	589.7	592.5
55°	467.4	488.2	523.9	551.2	556.8
57.5°	429.8	447.7	486.3	514.5	521.0
60°	388.5	408.2	449.5	475.9	484.3
62.5°	348.9	369.6	412.9	439.2	446.7
65°	307.5	331.1	373.4	404.4	411.9
67.5°	271.9	294.4	339.5	369.6	377.1
70°	230.4	255.9	303.8	334.9	342.3
72.5°	194.7	221.0	269.0	299.0	310.4
75°	156.2	186.2	234.2	266.2	273.7
77.5°	118.5	153.3	202.2	226.6	226.6
80°	84.6	121.4	166.5	177.8	179.6
82.5°	55.5	91.2	123.2	122.3	122.3
85°	32.0	59.3	73.3	71.5	71.5
87.5°	12.2	24.5	26.3	26.3	25.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)